

CA  
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10/28/01  
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Eduardo Cardoso de Melo GUERRA

Appln. No.:

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: May 7, 2001

For: CLOSED CYCLONE SYSTEM HAVING A FLOW RATE DISTRIBUTOR AND USE  
OF SAME

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE CLAIMS:**

**Please enter the following amended claims:**

- A
- 
7. (Amended) A system according to claims 1, 2, 3, 4, 5 or 6, wherein said system is mounted within a disengager vessel (2) of a fluid catalytic cracking unit (FCC).
  8. (Amended) A system according to claims 1, 2, 3, 4, 5 or 6, wherein said system is mounted with a regenerator vessel (2) of a fluid catalytic cracking unit (FCC).
  9. (Amended) A system according to claims 1, 2, 3, 4, 5, or 6, wherein the reaction zone (1) of the fluid catalytic cracking unit (FCC) is of upward flow (riser).
  10. (Amended) A system according to claims 1, 2, 3, 4, 5, or 6, wherein the reaction zone (1) of the fluid catalytic cracking unit (FCC) is of downward flow (downer).

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Preliminary Amendment

11. (Amended) A system according to claims 1, 2, 3, 4, 5, or 6, wherein the distributor (9) is manufactured from the same material as that employed to make the cyclones.

12. (Amended) A system according to claims 1, 2, 3, 4, 5, or 6, wherein the distributor (9) is manufactured from a different material from that employed to make the cyclones.

13. (Amended) A system according to claims 1, 2, 3, 4, 5, or 6, wherein said system is designed for use in fluid catalytic cracking units (FCC).

END A,

For filing

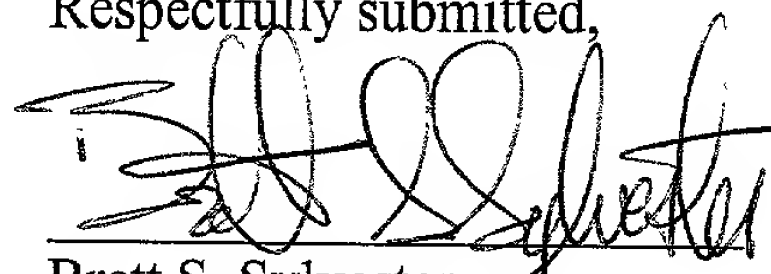
Eduardo Cardoso De Melo GUERRA  
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**REMARKS**

Claims 1-15 are pending in the present application. Claims 7-14 have been amended to delete improper language or multiple dependencies. The public should be advised that the present Preliminary Amendment is not considered or intended to be a narrowing amendment surrendering any equivalents.

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

**The claims are amended as follows:**

7. A system according to claims 1, 2, 3, 4, 5 ~~and~~or 6, wherein said system is mounted within a disengager vessel (2) of a fluid catalytic cracking unit (FCC).
8. A system according to claims 1, 2, 3, 4, 5 ~~and~~or 6, wherein said system is mounted with a regenerator vessel (2) of a fluid catalytic cracking unit (FCC).
9. A system according to claims 1, 2, 3, 4, 5, or 6, ~~7 and 8~~, wherein the reaction zone (1) of the fluid catalytic cracking unit (FCC) is of upward flow (riser).
10. A system according to claims 1, 2, 3, 4, 5, or 6, ~~7 and 8~~, wherein the reaction zone (1) of the fluid catalytic cracking unit (FCC) is of downward flow (downer).
11. A system according to claims 1, 2, 3, 4, 5, or 6 ~~and 7~~, wherein the distributor (9) is manufactured from the same material as that employed to make the cyclones.
12. A system according to claims 1, 2, 3, 4, 5, or 6, ~~and 7~~, wherein the distributor (9) is manufactured from a different material from that employed to make the cyclones.
13. A system according to claims 1, 2, 3, 4, 5, or 6, ~~7, 8, 9, 10, 11 and 12~~, wherein said system is designed for use in fluid catalytic cracking units (FCC).